

All hours shown are Minimum Requirements.
Course hours do NOT include Exams, Practical Exercises, or Range Qualification.
Topics in plain text are suggestions only.
Bold text is mandated in the Regulations.

ELECTRONIC SECURITY TECHNICIAN (35E)

PERFORMANCE OBJECTIVES

Upon completion of this period of instruction, the student will correctly indicate the following on a written examination, or demonstrate during practical exercises in accordance with the instruction provided:

1. The role of an electronic security (ES) technician;
2. The skills required to function as an Electronic Security Technician;
3. The requirements for the training and registration of an Electronic Security Technician;
4. The duties and responsibilities of an Electronic Security Technician;
5. The legal and ethical obligations pertaining to an Electronic Security Technician;
6. Proper professional conduct for an Electronic Security Technician;
7. The principles to be followed to instruct the end user on the use and testing of the alarm system;
8. Technical terms and their definitions;
9. The principles of electricity;
10. Electronic components;
11. Ohm's law;
12. Electronic circuits;
13. Sources of power and their proper use;
14. Transformers and their use;
15. The types of control panels and their use;
16. The general features of a control panel;
17. The proper location for a control panel;
18. The proper connection of a control panel to the telephone lines;
19. The installation standards for a control panel;
20. The types of protection devices and their uses;

All hours shown are Minimum Requirements.
Course hours do NOT include Exams, Practical Exercises, or Range Qualification.
Topics in plain text are suggestions only.
Bold text is mandated in the Regulations.

21. The types of testing equipment and their proper testing procedures;
22. The sources of power;
23. The requirements for power;
24. The provisions of the National Electrical Code 250;
25. The types of grounds;
26. The requirements for grounding;
27. Safety principles to be practiced;
28. Applicable OSHA requirements;
31. The steps in the proper installation of the system which will prevent false alarms;
32. The steps in the proper maintenance of the system which will prevent false alarms;
34. The means the Electronic Security Technician can utilize to help avoid end user error;
35. The requirements of local ordinances applicable to the installation and maintenance of electronic security systems.